

Navin Kumar Singh

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SUMMARY

Self-motivated & **data-driven enthusiast** with experience as an intern in data science and services. Gained hands-on experience in **deploying statistical methods to analyze data and generate insightful business reports** for top-level management and key stakeholders.

KEY SKILLS

- **Data Analytics • Data Mining • Data Visualization • Data Manipulation • Data Extraction • Report Generation • Data Systems • Dashboard Management • Regression & Segmentation • Statistical Analysis • Performance Tracking • Advanced Excel • Business Intelligence • MS Office (Excel, MS Word, PowerPoint) • MS Excel text functions • Pivot tables • Problem-Solving Skills**
- **Database:** MySQL, SQL Server
- **Data Science Tool kits/ Packages:** Scikit, NumPy, Pandas, Selenium, Beautiful Soup, Matplotlib, Seaborn, SciPy
- **Programming Tools/ Languages:** Python, SQL
- **Data Visualization:** MS Excel, Power BI
- **Statistics and Machine Learning:** Descriptive & Inferential Statistics, Classification, Regression, Decision Tree, Random Forest, Naive Bayes, KNN, K-means

EXPERIENCE

Data Science Intern | Flip Robo Technologies LLC

Sep, 23 – Mar, 24

Data Analysis, Exploration & Process Optimization

- Completed **data preprocessing, cleaning, and wrangling** to prepare data for modeling
- Gained experience with **data visualization and exploratory data analysis**
- Identified, analyzed, and interpreted trends in complex data sets using **supervised and unsupervised learning techniques**
- Contributed to the **development of predictive models** to solve business problems, such as **customer churn and product demand forecasting**
- **Developed effective presentations and visualizations** to communicate complex technical concepts to non-technical stakeholders

PROJECTS

Indian Crimes Report

- **Overview:** Conducted a detailed analysis of crime data spanning multiple years and states/UTs, focusing on factors such as population, literacy rate, area, and various types of crimes.
- **Tech Stack:** Python, ML, MySQL, Excel, Statistical Method
- **Solution:** Generated insights such as factors contributing to crime in sensitive areas, recommendations for crime reduction strategies, identification of safe and unsafe districts, and other observations from the **K-MEAN** clustering algorithms. | [Click here](#)

Churn on Telecom Customers

- **Overview:** Developed a predictive model to forecast customer churn rates using machine learning techniques and customer data.
- **Tech Stack:** Python, ML, Statistical Method
- **Solution:** Deployed the final model to predict churn rates for new customer data, providing insights into customer retention strategies and potential risk factors with an **accuracy of 87.43 %** | [Click here](#)

EDUCATION

B.Sc. In Physics

Mar '18 - Mar '22

Patliputra University Patna Bihar

COURSES & CERTIFICATIONS

Mar '23 – Apr '24

Data Trained Education Pvt. Ltd.

PG Program in Data Science, Machine Learning & Neural Networks

During this period I learnt, practiced and utilized my learning during my internship and projects

- Proficient in **Python and SQL** for data manipulation, analysis, and visualization
- Strong foundation in hypothesis testing, regression analysis, and probability theory for **data-driven decision-making**
- Skilled in data cleaning, preprocessing, and working with **SQL and NoSQL databases**
- Comprehensive knowledge of **machine learning algorithms, including decision trees, random forests, and K-mean**
- Effective **communication of data insights**, along with an understanding of **data ethics and privacy considerations**

OTHER COURSES

- DCA • Tally • Kushal Yuva Program

Birth Place: Mohanpur Doghra, Patna, Bihar